

Claims:

1           1. A device for removably mounting a hard disk drive in a memory  
2           storage housing, comprising:  
3           a carrier for holding a hard disk drive, the carrier being removably  
4           mountable in a memory storage device housing; and  
5           a heat sink mounted on the carrier.

1           2. A device as set forth in Claim 1, wherein the carrier includes a face  
2           and a fan mounted on the face of the carrier.

1           3. A device as set forth in Claim 2, wherein the carrier includes an air  
2           filter mounted on the face to filter air.

1           4. A device as set forth in Claim 3, wherein the carrier includes an air  
2           filter cover removably mounted on the face to facilitate removal and replacement  
3           of the air filter.

1           5. A device as set forth in Claim 1, wherein the carrier includes lateral  
2           rails that slidably mount the carrier in the memory storage housing.

1           6. A device as set forth in Claim 1, wherein the carrier includes a face  
2           and a handle mounted on the face of the carrier.

1           7. A device for removably mounting a hard disk drive in a memory  
2           storage housing, comprising:  
3           a carrier for holding a hard disk drive, the carrier being removably  
4           mountable in a memory storage device housing; and  
5           fins mounted on the carrier.

1           8. A device as set forth in Claim 7, wherein the heat sink includes  
2 fins, the carrier includes a face and a fan mounted on the face of the carrier, the  
3 fins align with respect to the fan to optimize convective cooling.

1           9. A device as set forth in Claim 8, wherein the carrier includes an air  
2 filter mounted on the face to filter air.

1           10. A device as set forth in Claim 9, wherein the carrier includes an air  
2 filter cover removably mounted on the face to facilitate removal and replacement  
3 of the air filter.

1           11. A device as set forth in Claim 10, wherein the carrier includes  
2 lateral rails that slidably mount the carrier in the memory storage housing.

1           12. A device as set forth in Claim 11, wherein the carrier includes a  
2 face and a handle mounted on the face of the carrier.

1           13. A device for removably mounting a hard disk drive in a memory  
2 storage housing, comprising:  
3           a carrier for holding a hard disk drive, the carrier being removably  
4 mountable in a memory storage device housing; and  
5           a heat sink slidably mounted on the carrier.

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